## RECEIVED

MAY 0 9 2001

Docket No. 128019203802



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

reby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on March 9, 2001.

In re Application for:

GARY D. GLICK

Serial No.: 09/767,283

Filing Date: January 22, 2001

For: PRO-APOPTOTIC

**BENZODIAZEPINES** 

Examiner: Not Assigned

Group Art Unit: Not Assigned

## INFORMATION DISCLOSURE STATEMENT **UNDER 37 C.F.R. § 1.97**

Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicant submits for consideration in the aboveidentified application the documents listed on the attached Form PTO-1449. Some of the copies of the documents were previously submitted in an Information Disclosure Statement dated December 29, 2000 and a Supplemental Information Disclosure Statement dated January 9, 2001, directed to the related parent application U.S. Serial Number 09/700,101, and accordingly, copies are not included herewith. Enclosed is a copy of the PTO 1449 Statement filed in connection with U.S. Serial No. 09/700,101. This protocol conforms with 37 C.F.R. § 1.98(d) and M.P.E.P. 609(A)(2). The Examiner is requested to make these documents of record.

## RECEIVED

MAY 0 9 2001

**TECH CENTER 1600/2900** 

This Information Disclosure Statement is submitted:

within three months of the application filing date or before receipt of a first Office Action on the merits; accordingly, no fee or separate requirements are required.

After receipt of a first Office Action on the merits but before a final Office Action or Notice of Allowance.

- ☐ A fee is required. A check in the amount of \$\* is enclosed.
- ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below; according, no fee is believed to be due.
- After receipt of a final Office Action or Notice of Allowance, but before payment of the issue fee. Accordingly, a Petition requesting consideration of the Information Disclosure Statement, an authorization to charge our deposit account, and a Certification under 37 C.F.R. § 1.97(e) are provided herein.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal letter is separated from this document and the U.S. Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account**No. 50-0974 referencing 128019203802. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Respectfully submitted,

By:

Dated: March 9 2001

Antoinette F. Konski
Registration No. 34,202

Baker & McKenzie 660 Hansen Way

Palo Alto, California 94304 Telephone: (650) 856-2400 Facsimile: (650) 856-9299

PTO/SB/08 (2/92)

							Sheet 1 of 1			
Form PTO-1449				Docket No. 128019203802 Appl. No. 09/767,283						
PIPE				Applicant(a)						
INFORMATION DISCLOSURE			DISCLOSURE	Applicant(s)	Applicant(s)  Gary D. Glick					
MR 1 9 mm (") STATEMENT					Galy D. Glick					
	(use several sheets if necessary)				Filing Date: January 22, 2001 Group Art Unit:					
	) (use s	everal sheet	s if necessary)			Unassigned				
PRADEMAR			110	PATENT DOCU	MENTO					
			0.3.	PATENT DOCU	MENIO					
Examiner	Ref.	Date	Document No.	Name	Class	Subclass	Filing Date			
Initials	No.						(if appropriate)			
	ļ	ļ								
	<u> </u>	1	<u></u>		L					
			FORFI	GN PATENT DO	CUMENTS					
		•	· ONE		OOMENTO					
Examiner	Ref.	Date	Document No.	Name	Class	Subclass	Translation			
Initials	No.						YES NO			
		L	<u> </u>							
			C	THER DOCUME	PINTS	•				
				THER BOOME		a author, title.	date, pertinent pag s, etc.)			
Examiner Ref. Title					(word day	<u>g</u> ,	, por peg o <u>r</u> c.c.,			
Initials	No.									
	1.	Partial International Search Report for PCT/US00/11599								
		<del> </del>					····			
	$\vdash$	<del>                                     </del>				<del></del>				
	<b></b>									
			·		<u></u>					
		ļ								
	<b> </b>			<u> </u>						
L	<u> </u>	1								

EXAMINER:	DATE CONSIDERED:	
	i de la companya de	

EXAMINER: Initial if citation considered, whether r not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449			Attorney's Docket No. 128019-203801 Application Serial No. 09/700,101							
			Applicant(s)							
INFORMATION DISCLOSURE STATEMENT					Gary D. GLICK, et al.					
				Filing Date:	November 8, 2000	Grou	ıp Art Unit: \	Jnassigned		
	(use sev	eral sheets it	f necessary)				•			
ار الدور الدور الدور الدور ال	44.5			SPATENED	OCUMENTS	200				
Examiner	Ref.	Date	Document No.	Name		Class	Subclass	Filing Date		
Initials	No.	00/00/4070	4 076 022	Made et al				(if appropri	ate)	
	1.	02/28/1978	4,076,823	Wade, et al.	·			· · · · · · · · · · · · · · · · · · ·		
·	2.	08/29/1978	4,110,327		<u> </u>					
	3.	01/22/1985	4,495,101	Klaubert, et a Glamkowski,						
	4.	06/14/1988	4,751,223	<del></del>	et al.	<u> </u>				
	5.	08/20/1991	5,041,438	Hsu Park et al		<u> </u>				
	6.	06/28/1994	5,324,726	Bock, et al.						
<del></del>	7.	01/28/1997	5,597,915	Chambers, et		ļ				
	8.	07/07/1998	5,776,946	McGeer, et al.		<b> </b>				
	9.	01/19/1999	5,861,380	Gyorkos, et a			<b> </b>			
	10.	12/21/1999	6,004,942	Firestein, et a	ll.	<u> </u>	<u> </u>			
	11.	06/27/2000	6,080,588	Glick			, taling the malestation			
	MANA.		The first of the control of the cont		EDOCUMENTS LA		Arrivo vo volumb			
Examiner	Ref.	Date	Document No.	Name		Class	Subclass	Translat		
Initials	No.	00/04/0000	14/0 00/40200	PCT		<del></del>	<u> </u>	YES	NO	
and gray, success of	12.	06/04/2000	WO 00/19200	1						
		the state of the s			UMENIS OF THE STATE OF THE STAT	THE COLUMN TWO IS NOT THE OWNER, NO			V.E.	
Examiner	Ref.	Title	and the mention	audior-dus, dat				A STATE OF THE PARTY OF THE PAR	Application of the state of the	
Initials	No.	1100								
mileio	13.	Adachi, M., et al., "Aberrant Transcription Caused by the Insertion of an Early Transposable Element in an Intron of the Fas Antigen Gene of <i>Ipr</i> Mice," <i>Proc. Natl. Acad. Sci. USA</i> – <u>90</u> :1756-1760 (1993)							of the	
	14.	Adelman, N 158:1350-13	.E., et al., "Treatment o	f (NZB X NZW)F	1 Disease with Anti-I-A Mon	oclonal A				
	<ul> <li>Baader, S.L., et al., "Uptake and Cytotoxicity of Ascorbic Acid and Dehydroascorbic Acid in Neuroblasto and Neuroectodermal (SK-N-LO) Cells," Anticancer Research – 14:221-228 (1994)</li> <li>Beale, P.J., et al., "BCL-2 Family Protein Expression and Platinum Drug Resistance in Ovarian Carcinom Journal of Cancer – 82(2):436-440 (2000)</li> <li>Boojamra, C.G., et al., "Solid-Phase Synthesis of 1,4-Benzodiazepine-2,5-Diones. Library Preparation and Demonstration of Synthesis Generality." J. Org. Chem. – 62:1240-1256 (1997)</li> </ul>									
									sh	
	18.	Bunin, B.A.	, et al., "A General and m. Soc. – 114:10997-10	Expedient Meth 998 (1992)	pedient Method for the Solid-Phase Synthesis of 1,4-Benzodiazepine Derivatives," (1992)					
-	19.	Library." Pr	roc. Natl. Acad. Sci. US.	A - 91:7408-471	and Chemical and Biologica 2 (1994)					
	20.	Chumakov, A.M., et al., "Analysis of p53 Transactivation Through High-Affinity Binding Sites," <i>Oncogene</i> – 8:3005-3011								
	21.	Cohen, P.L., et al., "Lpr and gld: Single Gene Models of Systemic Autoimmunity and Lymphoproliferative Disease,"  Annu. Rev. Immunol. – 9:243-269 (1991)								
	22.	Crabtree, R.H., "A New Type of Hydrogen Bond," Science - 282:2000-2001 (1998)								
	23.	Desoize, B., "Anticancer Drug Resistance and Inhibition of Apoptosis," Anicancer Research – 14:2291-2294 (1994)								
								_		
EXAMIN					DATE CONSIDERED:					
EXAMINER n tc nsid	R: Initial i	if citation c na	idered, whether or not to this form with next c	the citation conf mmunicati n to	rms with MPEP 609. Draw applicant.	alin thr	ough the cita	tinifntino	nf ma	

154157.1

193696v1

PTO/SB/08 (2/92) Sheet 2 of 3

		Sheet 2 of 3			
Form PTO-1449	Attorney's Docket No. 128019-203801	Application Serial No. 09/700,101			
INFORMATION DISCLOSURE STATEMENT	, , , ,	Applicant(s)  Gary D. GLICK, et al.			
	Filing Date: November 8, 2000	Group Art Unit: Unassigned			
(use several sheets if necessary)					
(Includir	HER DOGUMENTS (continuation)				
Anatomical and Subcellular Dist	eripheral-Type Benzodiazepine Binding Sites in tribution," <i>Brain Research Bulltetin</i> – <u>18</u> :49-61	(1987)			
<u>21(3):239-250 (1993)</u>	ppressive Drug Therapy in Lupus Nephritis," A	-			
<u>61(4):447-456 (1989)</u>	f Murine Lupus with Monoclonal Antibody to L	-			
Immunodeficiency Virus Diseas	nd Natural History of Cytomegalovirus Disease e Treated with Zidovudine," <i>The Journal of Inf</i> e	ectious Diseases - 166:1223-1227 (1992)			
28. Garcia-Calvò, M., et al. "Inhibition of Biological Chemistry – 273(45)	on of Human Caspases by Peptide-Based and F 9):32608-32613 (1998)	Macromolecular Inhibitors," The Journal			
29. Gorczyca, W., et al., "Induction of Leukemia – 7(5):659-670 (1993)	of DNA Strand Breaks Associated with Apopto	sis During Treatment of Leukemias,"			
	rapy with Recombinant Tumor Necrosis Factor nopathology – 52:421-434 (1989)	-α in Autoimmune NZB/NZW F <sub>1</sub> Mice,"			
31. Gordon, E.M., et al., "Application	ns of Combinatorial Technologies to Drug Disc rategies, and Future Directions," <i>Journal of Me</i>	covery. 2. Combinatorial Organic edicinal Chemistry – <u>37(</u> 10):1385-1401			
32. Hahn, B.H., et al., "Influence of	Cyclophosphamide and Other Immunosuppres rthritis and Rheumatism <u>18</u> (2):145-152 (1975)	sive Drugs on Immune Disorders and			
33. Hang, L., et al., "A Spontaneous	Rheumatoid Arthritis-Like Disease in MRL/1 M	ice," <i>J. Exp. Med.</i> – <u>155</u> :1690-1701 (1982			
34. Horowitz, R.E., et al., "Cyclopho Investigation – 21(3):199-206 (19	esphamide Treatment of Mouse Systemic Lupu 969)	s Erythematosus," Laboratory			
35. Itoh, N., et al., "The Polypeptide Cell – 66:233-243 (1991)	Encoded by the cDNA for Human Cell Surface	Antigen Fas Can Mediate Apoptosis,"			
36. Koopman, W.J., et al., "The MRI Rheumatology - Suppl 75:284-2	L-Ipr/lpr Mouse. A Model for the Study of Rheu 289 (1988)	ımatoid Arthritis," Scand. J.			
37. Korsmeyer, S.J., "Bcl-2 Initiates	a New Category of Oncogenes: Regulators o	•			
38. Liu, J.R., et al., "Bcl-x <sub>L</sub> is Expres Gynecologic Oncology – 70:398	ssed in Ovarian Carcinoma and Modulates Che 3-403 (1998)	emotherapy-Induced Apoptosis,"			
39. Los, M., et al., "The Role of Cas Knockout Mice," <i>Immunity</i> – 10	pases in Development, Immunity, and Apoptot	tic Signal Transduction: Lessons from			
40. Luria, et al., "General Viology -	3rd edition, pp. 436-446 (1978) - Eds. John Wil	ley & Sons, New York			
41. Marino, M., et al., "Prevention o Immunoglobulin-Binding peptic	f Systemic Lupus Erythematosus in MRL <i>lipr</i> M de," <i>Nature Biotechnology</i> – <u>18</u> :735-739 (2000)	stemic Lupus Erythematosus in MRL/Ipr Mice by Administration of an			
42. McDonnell, T.J., et al., "Progest Transgenic for the t(14;18)," Na	McDonnell, T.J., et al., "Progession from Lymphoid Hyperplasia to High-Grade Malignant Lymphoma in Mice Transgenic for the t(14;18)," Nature – 349:254-256 (1991)				
43. Nagata, S., "Human Autoimmur Lesson from the Mouse Model."					
44. Okuyama, H., et al., "Analysis o	of Defective Delayed-Type Hypersensitivity in A	Autoimmune Mice Bearing <i>lpr</i> Gene," <i>Clii</i>			
Exp.  mmunol. = 63:87-94 (198)					
45.   Exp. Immunol 63:87-94 (1986)   Autoimmune-Prone MRL Mice,"	cyclophosphamide Pretreatment on Defective I Int. Arch. Allergy Appl. Immunol. – <u>88</u> :394-40	Delayed-Type Hypersensitivity in 1 (1989)			

EXAMINER: Initial if citation c nsid red, whether or not the citation c informs with MPEP 609. Draw a line through the citation if n t in c information to applicant.

154157.1

193696v1

PTO/SB/08 (2/92) Sheet 3 of 3

			Sheet 3 o		
	Form PTO-1449	Attorney's Docket No. 128019-203801	Application Serial No. 09/700,101		
INFORMATI	ON DISCLOSURE STATEMENT	Applicant(s)  Gary D. GLICK, et al.			
(use s	everal sheets if necessary)	Filing Date: November 8, 2000	Group Art Unit: Unassigned		
	THE RESERVE THE PARTY OF THE	DOCUMENTS (Continuation)  ulos title date; pertinent pages, etc.)			
46.	Ozols, R.F., "Paclitaxel Plus Carbople 2):84-89 (1999)	atin in the Treatment of Ovarian Cancer," Sei	minars in Oncology - <u>26</u> (1)(Supp.		
47.	Pestell, K.E., et al., "Characterisation	of the P53 Status, BCL-2 Expression and Ra Cell Lines," Int. J. Cancer - 77:913-918 (1998)	diation and Platinum Drug Sensitivit		
48.	Raynaud, F.I., et al., "Intracellular Me Levels," <i>Br. J.</i> Cancer – 74(3):380-386	tabolism of the Orally Active Platinum Drug	JM216: Influence of Glutathione		
49.	Russell, J.H., et al., "Mature T Cells o Natl. Acad. Sci. USA – 90:4409-4413 (	of Autoimmune <i>lpr/lpr</i> Mice have a Defect in A (1993)	,		
50.	Immunology and immunopathology -	nteraction in Physiology and Pathology: The - <u>87</u> (1):1-7 (1998)	·		
51.	Sandstrom, P.A., et al., "Autocrine Pr Line in Serum-Free Medium," <i>Proc.</i> A	roduction of Extracellular Catalase Prevents latl. Acad. Sci. USA – 90:4708-4712 (1993)			
52.	Pharmacology and Experimental The	n-Affinity Binding Sites for [³H]Ro5-4864 in R erapeutics – <u>225</u> (1):61-69 (1983)	•		
53.		ith Limited Homology to <i>myc</i> Cellular Oncog roblastoma Tumour," <i>Natur</i> e – <u>305</u> :245-248 (			
54.	Scott, C.F., et al., "Comparison of An Mice," The Journal of Immunology –	tigen-Specific T Cell Responses in Autoimm 132(2):633-639 (1984)	une MRL/mp-lpr/lpr and MRL/Mp-+/+		
55.	Sentman, C.L., et al., "bcl-2 inhibits & 67:879-888 (1991)	fultiple Forms of Apoptosis but not Negative	Selection in Thymocytes," Cell -		
56.	Protein Res 20:451-454 (1982)	esin Linkage Agents for Use in Solid Phase I			
57.	Stevens, S.Y., et al., "Non Nucleic Ac Chemistry," J. Am. Chem. Soc 118	id Inhibitors of Protein-DNA Interactions Idea 3:10650-10651 (1996)	ntified Through Combinatorial		
58.		f Cell Surface Membrane Antigens Common Panel of 38 Monoclonal Antibodies," <i>JNCI</i> -			
59.	Swanson, P.C.,et al., "High Resolutio Immunology – 152(5):2601-2612 (199-	n Epitope Mapping of an Anti-DNA Autoantil 4)	body Using Model DNA Ligands," J.		
60.		nition by Murine Anti-DNA Autoantibodies,"	J. Clin. Invest. – <u>97(</u> 7):1748-1760		
61.	Takahashi, T., et al., "Generalized Ly Cell –76:969-976 (1994)	mphoproliferative Disease in Mice, Caused b	y a Point Mutation in the Fas Ligand		
62.		Models of Systemic Lupus Erythematosus,	' Advances in Immunology <u>37</u> :269-		
63.		athogenesis and Treatment of Disease," Sci	ence - <u>267</u> :1456-1462 (1995)		
64.		phoproliferation Disorder in Mice Explained			
65.	White, E., "Life, Death, and the Pursu	it of Apoptosis," Genes & Development - <u>10</u>	:1-15 (1996)		
66.		in Vitro Gene Transformation by a Soluble D			
67.	Wyllie, A.H., "The Genetic Regulation	of Apoptosis," Current Opinion in Genetics	& Development - <u>5</u> :97-104 (1995)		
68.	Zamzami, N., et al., "Mitochondrial Co	ontrol of Nuclear Apoptosis," J. Exp. Med	<u>183</u> :1533-1544 (1996)		
69.	Zorotti M. et al. "The Mitechandrial	Permeability Transition," Biochimica et Biog	Aurice Acts 4244,420 476 (4005)		

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, wheth r or not the citation conforms with MPEP 609. Draw a line through the citation if n t in conformation to applicant.

PTO/SB/08 (2/92

Supplemental Form PTO-1449			n PTO-1449	Attorney's Docket No. 128019-203801 Application Serial No. 09/700,101						
				Applicant(s)	OI AP	olication Sen	ai No. U9//	00,101		
INFORMATION DISCLOSURE STATEMENT				Gary D. GLICK, et al.						
<del></del>	(use se	veral sheets i	if necessary)	Filing Date: November 8, 2000		up Art Unit:	•			
	1 = 4			U.S. PATENT DOCUMENTS			7 m	x = i x		
Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Dat	0		
· Na 1974	Service.									
Examiner	Ref.	Date	Document No.	OREIGN PATENT DOCUMENTS				الله الله الله الله الله الله الله الله		
Initials	No.			мате	Class	Subclass	Transi YES	ation NO		
<del></del>	1.	10/01/1990	0 349 949 A2	EPO				<del>                                     </del>		
			(includin	OTHER DOCUMENTS  g author, title, date, pertinent pages, etc.)						
Examiner Initials	Ref.	Title				2	Bo Tree	<del>- ·</del>		
**	2.	Blum, P., et	al., "Stiff-Person Syn	drome: An Autoimmune Disease," Moveme	nt Disorde	rs - 6/41·42 2	0 (1004)			
	3.	maigrange, i - 7(18):3041	B., et al., "B-Carboline -3045 (1996)	es Induce Apoptotic Death of Cerebellar Gra	nule Neuro	ones in Cultu	res," <i>Neur</i> o	-		
-	4.	Miller, K.A.,	Miller, K.A., et al., "Benzodiazepines Prevent Neuronal Death by Apontosis & Necrosis in the Gerbil Hippocampus							
	5:	Following Transient Cerebral Ischemia," Society for Neuroscience Abstracts – 24(1-2):979 (1998)  Schlumpf, M., et al., "Delayed Developmental Immunotoxicity of Prenatal Benzodiazepines," Toxic. In Vitro – 3(5):1061-1065 (1994)								
	6.	Tanimoto, Y., et al., "Benzodiazepine Receptor Agonists Modulate Thymocyte Apoptosis Through Reduction of the Mitochondrial Transmembrane Potential," <i>Jpn. J. Pharmacol.</i> – 79:177-183 (1999)								
	7.	Taupin, V., et al., "Endogenous Anxiogenic peptide, ODN-Diazepam-Binding Inhibitor, and Benzodiazepines Enhance the Production of Interleukin-1 and Tumor Necrosis Factor by Human Monocytes," <i>Lymphokine and Cytokine Research</i> – 10(1):7-13 (1991)								
	·									
	_					·				
							·····			
		1.						<del></del>		
XAMINE	R:			DATE CONSIDERED:						
XAMINER: ot consider	Initial if ed. Incl	citati n c nsid ude a c py of ti	ered, whether r not the right of the rest control of the rest cont	the citati n conforms with MPEP 609. Draw a nmunicati n to applicant.	line throu	gh the citation	nifn tinc	onf m		
54157.1										
94749v1										